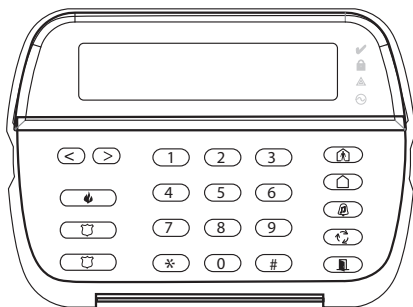


# PK5500 v1.3

## Installation Instructions / 安装说明



**WARNING:** Please refer to the System Installation Manual for information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer.

**NOTE:** These instructions shall be used in conjunction with the system Installation Manual of the Control Panel with which this equipment is intended to be used.

**警告 -** 本手册包含有关产品使用和功能的限制信息以及有关制造厂商的责任限制的信息。请认真阅读整本手册。

**注意：** 这些说明必须同设备控制面板的《系统安装手册》一起使用。

# DSC

A Tyco International Company

## PowerSeries™

### SECURITY SYSTEM

# CE



29008941R001

The PK5500 keypad can be used on security systems with up to 64 zones. These keypads are compatible with the latest version of the following DSC security systems:

- PC580      • PC585      • PC1555MX      • PC1565
- PC1616      • PC1832      • PC1864      • PC5005
- PC5008      • PC5010      • PC5015      • PC5016
- PC5020

## Specifications

- Temperature range: -10°C to +55°C (14°F to 131°F)
- Humidity (MAX): 93% R.H., non-condensing
- Plastic enclosure protection degree: IP30, IK04
- Voltage rating: 12Vdc nominal
- Connects to control panel via 4-wire Keybus
- 1 keypad zone input/PGM output\*
- PK5500 Current Draw: 50mA (standby)/125mA (maximum)
- Wall mount tamper
- 5 programmable function keys
- Ready (Green LED), Armed (Red LED), Trouble (Yellow LED), AC (Green LED)
- Low temperature sensor: Alarm 6°C (43°F)/Restore 9°C (48°F)

**NOTE:** \* Zone not to be programmed as Fire type or 24h type.

## Unpacking

The Power keypad package includes the following parts:

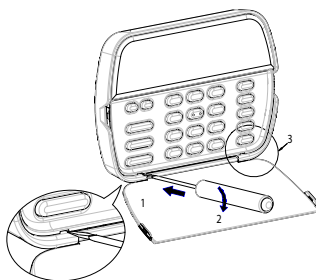
- One Power keypad
- Keypad inner door labels
- Four mounting screws
- 1 tamper switch
- 2 end-of-line resistors
- Installation Instructions

## Mounting

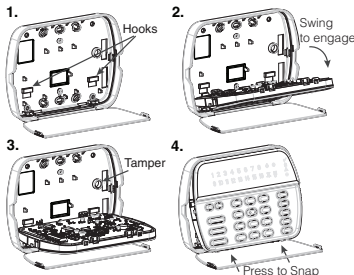
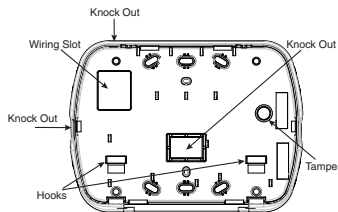
Mount the keypad where it is accessible to designated points of entry and exit. Once you have selected a dry and secure location, perform the following steps to mount the keypad.

## Disassemble Keypad

1. Insert a flat head screwdriver into the provided slot (first of two).
2. Move screwdriver toward the back plastic and lift as in the following diagram. This will unhook one side of the front plastic.
3. Repeat step # 1 and 2 on the second provided slot to disconnect the front plastic and allow access for wiring.



## Mount and Wire Keypad

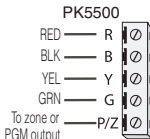


1. Secure keypad to wall by using mounting holes. Use all 4 screws provided unless mounting on a single gang box.
2. Place keypad into hooks on the backplate and swing down to engage.
3. Run wire through wiring slot or knockouts. Connect Keybus and PGM/Zone wiring to keypad. Place tamper switch into tamper hole on backplate.
4. Remove keypad from hooks. Place keypad into backplate, ensure the wire is pushed back into the wall as much as possible. Route the wire inside the keypad ensuring high components are avoided. Snap the front assembly closed, ensuring there is no pressure to the keypad from the wire below.

**NOTE:** If any tension found between the front keypad assembly and wiring, please open the keypad reroute the wire and close again. Repeat these steps until the keypad is closed properly.

## Wiring

1. Before wiring the unit, ensure that all power (AC transformer and battery) is disconnected from the control panel.
2. Connect the four Keybus wires from the control panel (red, black, yellow and green) to the keypad terminals. Refer to diagram.
3. If programmed as an input, you can connect a device - such as a door contact - to the "P/Z" terminal of the keypad. This eliminates the need to run wires back to the control panel for the device. To connect the zone, run one wire from the device to the "P/Z" terminal and the other wire from the device to the B (black) terminal. For powered devices, run the red wire to the R (positive) terminal and the black wire to the B (negative) terminal. When using end of line supervision, connect the zone according to one of the configurations outlined in your system's Installation Manual.
4. If the P/Z terminal is programmed as an output, the output follows the PGM programmed in Section [080]. A small relay, buzzer or other DC operated device may be connected between the positive supply voltage and the P/Z terminal (maximum load is 50mA).



## Applying Power

Once all wiring is complete, and the equipment is secured to the building structure with at least two screws apply power to the control panel:

1. Connect the battery leads to the battery.
2. Connect the AC transformer.

For more information on control panel power specifications, see the control panel Installation Manual.

Operating Instructions shall be made available to the user.






# Keypad Enrollment

Enter keypad programming by pressing [\*][8][Installer's Code][000].

## [0] Partition / Slot Assignment

Digit	Option	Valid Range	Default	
1st	Partition Assignment (0=Global Keypad)	0 to 8	1	<input type="text"/>
2nd	Slot Assignment	1 to 8	8	<input type="text"/>

## [1]-[5] Function Key Assignment

	Function Key	Button	Valid Range	Default	Function	
[1]	Function Key 1 Assignment		00 to 32	03	Stay Arm	<input type="text"/>
[2]	Function Key 2 Assignment		00 to 32	04	Away Arm	<input type="text"/>
[3]	Function Key 3 Assignment		00 to 32	06	Chime On/Off	<input type="text"/>
[4]	Function Key 4 Assignment		00 to 32	14	Sensor Reset	<input type="text"/>
[5]	Function Key 5 Assignment		00 to 32	16	Quick Exit	<input type="text"/>

## Keypad Function Keys

Refer to your system installation manual for a complete list of all function key options available for your system.

[00] - Null	[08] - Bypass Mode	[16] - Quick Exit	[26] - Time & Date Program
[01] - Partition 1 Select	[09] - Trouble Display	[17] - Activate Stay/Away	[27] - Partition 3 Select
[02] - Partition 2 Select	[10] - Alarm Memory	[18] - *Global Away Arm	[28] - Partition 4 Select
[03] - Stay Arm	[11] - User Programming	[19] - Command Output 3	[29] - Partition 5 Select
[04] - Away Arm	[12] - User Functions	[21] - Command Output 4	[30] - Partition 6 Select
[05] - No Entry Arm	[13] - Command Output 1	[22] - *Global Disarming	[31] - Partition 7 Select
[06] - Chime On/Off	[14] - Command Output 2	[23] - Bypass Recall	[32] - Partition 8 Select
[07] - System Test	[15] - *Global Stay Arm	[24] - Bypass Group Recall	[33] - Local PGM Activate

\*Available only on the PC1616/PC1832/PC1864 version 4.2 or higher.

## Keypad Programming

Enter keypad programming by pressing [\*][8][Installer Code][\*]

### [001]-[064] Zone Label 1 to 64

ex. For Zone 1 enter section [001], for Zone 2 enter section [002] etc. Default: "Zone 1" - "Zone 64"

Section	Zone	Label
[001] to [064]	1 to 64	<input type="text"/>



OFF  
[F]ire Key Disabled  
[P]anic Key Disabled

OFF  
Display "Xs" when Programming  
Local Clock Display Off  
Local Clock Displays AM/PM  
Auto Alarm Memory Scroll Disabled  
Local Display of Temperature OFF  
Bypass Options prompt OFF  
Auto-Scroll Open Zones OFF

**OFF**  
Chime Disabled for Zone Openings  
Chime Disabled for Zone Closings  
5th Terminal is Keypad Zone Input  
Language Selection Disabled  
Power LED Disabled  
Power LED indicates AC absent  
Alarms not Displayed When Armed  
Low Temperature Warning Disabled

ex. For Partition 1 enter section [101], for Partition 2 enter section [102] etc.

Section	Partition	Label
[101] to [108]	1 to 8	

**NOTE:** Partition 1 Label is also used as the System Label.

## [120]-[151] Command Output Labels

Default: "Command\_O/P\_1" - "Command\_O/P\_4"

For Partition 1 Command O/P 1 to 4 enter [120] to [123]

For Partition 2 Command O/P 1 to 4 enter [124] to [127]

For Partition 3 Command O/P 1 to 4 enter [128] to [131]

For Partition 4 Command O/P 1 to 4 enter [132] to [135]

For Partition 5 Command O/P 1 to 4 enter [136] to [139]

For Partition 6 Command O/P 1 to 4 enter [140] to [143]

For Partition 7 Command O/P 1 to 4 enter [144] to [147]

For Partition 8 Command O/P 1 to 4 enter [148] to [151]

Section	Part	Cmd. Output	Label
[120]-[151]	1to8	1 to 4	

## [201]-[264] Door Chime Sound Programming

You can program the keypad to make up to four different door chime sounds for individual zones.  
ex. For Zone 1 enter section [201], for Zone 2 enter section [202] etc.

Default	Option	ON	OFF
ON	1	6 Beeps	Disabled
OFF	2	"Bing-Bing" Sound	Disabled
OFF	3	"Ding-Dong" Sound	Disabled
OFF	4	Alarm Tone	Disabled
OFF	5-8	For Future Use	

[994] [★] Initiate Global Keypad Chime Broadcast

[995] [★] Reset Keypad Options to Factory Default

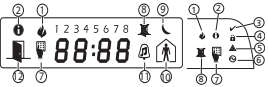


[996] [★] Label Default

[997] View Software Version

[998] [★] Initiate Global Label Broadcast

[999] [★] Reset Keypad EEPROM to Factory Defaults

## Keypad Display Symbols

	8	Bypass — Indicates that there are zones automatically or manually bypassed.
	9	For Future Use
	10	Arm Mode — Indicates the mode the panel is armed in.
		Stay — Indicates that the panel is armed in the Stay Mode. It will turn on at the beginning of the Exit Delay
1	Fire — Indicates that there are fire alarms in memory.	
2	Memory — Indicates that there are alarms in memory.	
3	Ready Light (green) — If the Ready light is on, the system is ready for arming.	11
4	Armed Light (red) — If the Armed light is on, the system has been armed successfully.	
5	System Trouble — Indicates that a system trouble is active.	12
6	AC — Indicates that AC is present at the main panel.	
7	Program — Indicates that the system is in Installer's Programming, or the keypad is busy.	
		Open — When zones are opened, the open zones will be displayed.

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Words Table/ 字一览表

Item #	Text/ 字	Item #	Text/ 字	Item #	Text/ 字	Item #	Text/ 字	Item #	Text/ 字	Item #	Text/ 字	Item #	Text/ 字	Item #	Text/ 字	Item #	Text/ 字
001	Aborted	028	Bypass	055	Downstairs	082	Gallery	109	Light	136	Panic	163	Service	190	West	217	O
002	AC	029	Bypassed	056	Drawer	083	Garage	110	Lights	137	Partition	164	Shed	191	Window	218	P
003	Access	030	Cabinet	057	Driveway	084	Gas	111	Living	138	Patio	165	Shock	192	Zone	219	Q
004	Active	031	Cancelled	058	Duct	085	Glass	112	Load	139	Pet	166	Shop	193	0	220	R
005	Activity	032	Car	059	Duress	086	Goodbye	113	Loading	140	Phone	167	Side	194	1	221	S
006	Alarm	033	Carbon	060	East	087	Gym	114	Low	141	Please	168	Siren	195	2	222	T
007	All	034	Central	061	Energy	088	Hallway	115	Lower	142	PM	169	Sliding	196	3	223	U
008	AM	035	Chime	062	Enter	089	Heat	116	Main	143	Police	170	Smoke	197	4	224	V
009	Area	036	Closed	063	Entry	090	Hello	117	Master	144	Pool	171	Son's	198	5	225	W
010	Arm	037	Closet	064	Error	091	Help	118	Mat	145	Porch	172	Sound	199	6	226	X
011	Armed	038	Closing	065	Exercise	092	High	119	Medical	146	Power	173	South	200	7	227	Y
012	Arming	039	Code	066	Exit	093	Home	120	Memory	147	Press	174	Special	201	8	228	Z
013	Attic	040	Communicator	067	Exterior	094	House	121	Menu	148	Program	175	Stairs	202	9	229	(Space)
014	Auxiliary	041	Computer	068	Factory	095	In	122	Monoxide	149	Progress	176	Stay	203	A	230	' (Apostrophe)
015	Away	042	Control	069	Failure	096	Install	123	Mother's	150	Quiet	177	Sun	204	B	231	- (Dash)
016	Baby	043	Date	070	Family	097	Interior	124	Motion	151	Rear	178	Supervisory	205	C	232	_ (Underscore)
017	Back	044	Daughter's	071	Father's	098	Intrusion	125	No	152	Receiver	179	System	206	D	233	*
018	Bar	045	Degrees	072	Feature	099	Invalid	126	North	153	Report	180	Tamper	207	E	234	#
019	Basement	046	Delay	073	Fence	100	Is	127	Not	154	RF	181	Temperature	208	F	235	:
020	Bathroom	047	Den	074	Fire	101	Key	128	Now	155	Right	182	Test	209	G	236	/
021	Battery	048	Desk	075	First	102	Kids	129	Number	156	Room	183	Time	210	H	237	?
022	Bedroom	049	Detector	076	Floor	103	Kitchen	130	Off	157	Safe	184	To	211	I		
023	Bonus	050	Dining	077	Force	104	Latchkey	131	Office	158	Saver	185	Touchpad	212	J		
024	Bottom	051	Disarmed	078	Foyer	105	Laundry	132	OK	159	Schedule	186	Trouble	213	K		
025	Breezeway	052	Door	079	Freeze	106	Left	133	On	160	Screen	187	Unbypass	214	L		
026	Building	053	Down	080	Front	107	Level	134	Open	161	Second	188	Unit	215	M		
027	Bus	054	Download	081	Furnace	108	Library	135	Opening	162	Sensor	189	Up	216	N		

# 安装说明

PK5500 键盘可以在最多 64 个防区的报警控制主机上使用。这些键盘兼容如下 DSC 安防系统的最新版本：

- PC580 • PC585 • PC1555MX • PC1565 • PC5020
- PC1616 • PC1832 • PC1864 • PC5005
- PC5008 • PC5010 • PC5015 • PC5016

## 规格

- 温度范围：-10°C 至 +55°C (14°F 至 131°F)
- 湿度（最大值）：93% R.H., 无冷凝
- 塑料外壳保护等级：IP30, IK04
- 额定电压：额定 12VDC
- 通过 4 路通信总线连接到控制主机
- 一个键盘防区输入 /PGM 输出 \*
- 电流消耗：50mA (待机) /125mA (最大)
- 壁挂式防拆装置
- 5 个可编程功能键
- 就绪 (绿色 LED)、设防 (红色 LED)、故障 (黄色 LED)、AC (绿色 LED)
- 低温传感器：报警 6°C (43°F)/ 恢复 9°C (48°F)
- \*备注：请勿将防区编程设定为火警类型或全天候型。

## 打开包装

Power 键盘包装箱中包括以下部件：

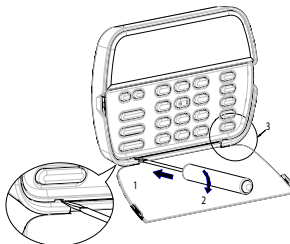
- 一个 Power 键盘 • 键盘内门标签
- 四个安装螺钉 • 一个防拆开关
- 两个线束电阻 • 一份安装说明

## 安装

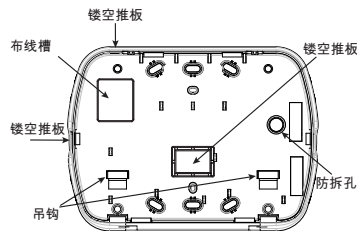
您应将键盘安装在指定入口和出口的附近。请选择干燥安全的位置并按照下述步骤安装键盘。

## 拆卸键盘

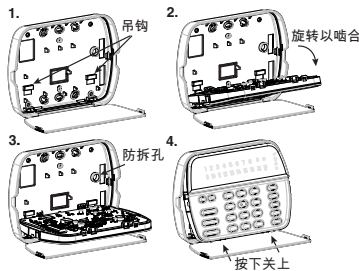
1. 用平口螺丝起插入两个槽沟中的一个。
2. 如下图所示，将螺丝起向背板塑胶方向旋转，这将松开前部面板的一侧。
3. 对另一个槽沟重复步骤 1 和 2，完全分开前部面板，开始接线。



## 安装键盘和布线



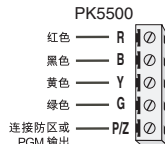
1. 使用安装孔将键盘固定到墙上。除非在单组盒上安装，否则使用提供的全套 4 个螺丝钉。
2. 从吊钩上卸下键盘。把键盘放到底盘中，务必尽可能把电线推回墙内。将电线引到键盘内，确保避开较高的组件。吧嗒一声关上前部组件，确保下面的电线没有挤压到键盘。
3. 将键盘放到底盘上的吊钩中，并向下旋转以啮合。
4. 通过布线槽或镂空推板布线。将 Keybus 和 PGM/Zone 配线连接到键盘。把防拆器放到底盘上的防拆孔中。



**注意：**如果前部键盘组件之间存在压力，请打开键盘，重新布线并再次关上前部键盘组件。重复执行上述步骤，直到键盘正确关闭。

## 连线

1. 装置连线前，确保断开控制主机上的所有电源（交流变压器和电池）。
2. 将四根通信总线（红、黑、黄、绿）从控制主机连接到键盘终端。见图：



3. 如果“P/Z”端口编程设定为输入口，可以给键盘的“P/Z”端口连接就近的门触点之类的装置。这样就不需要重新将信号线连接到控制主机。要连接防区，请将信号线的一端从探测器连接到“P/Z”端口，将另一条线连接到 B(黑色)端口。对于有源设备，将红色电线连接到 R(正极)端口，黑色电线连接到 B(负极)端口。使用末端电阻监控时，按《系统安装手册》中介绍的配置之一连接防区。
4. 如果“P/Z”终端被编程为输出口，则按区间 [080] 中的 PGM 编程输出。电源电压正极和“P/Z”端口之间可以连接小型继电器、蜂鸣器或其他 DC 装置（最大负荷 50mA）。

步骤 4 - 按 [#] 退出。

默认值：003 | | | (有效的输入是 000-255, 000 = 信息显示不限) 这个编号代表信息出现并超时之后，按任意键清除已下载信息的次数。

## [074] 按键选项

默认值	选项	开	关
ON	<input type="checkbox"/>	1 [F] 火警键启用	[F] 火警键禁用
ON	<input type="checkbox"/>	2 [A] 辅助键启用	[A] 辅助键禁用
ON	<input type="checkbox"/>	3 [P] 应急键启用	[P] 应急键禁用
OFF	<input type="checkbox"/>	4-8 备用	

## [076] 第一个键盘选项

默认值	选项	开	关
ON	<input type="checkbox"/>	1 编程时显示代码	编程时显示“K”
ON	<input type="checkbox"/>	2 启用本地时钟显示	禁用本地时钟显示
OFF	<input type="checkbox"/>	3 本地时钟显示 24 小时时间	时钟显示 AM/PM
ON	<input type="checkbox"/>	4 启用自动警报内存滚动	禁用自动警报内存滚动
OFF	<input type="checkbox"/>	5 本地温度显示	本地温度显示
ON	<input type="checkbox"/>	6 启用旁路选项提示	禁用旁路选项提示
OFF	<input type="checkbox"/>	7 备用	
OFF	<input type="checkbox"/>	8 启用自动滚动开放区域	禁用自动滚动开放区域

## [077] 第二个键盘选项

默认值	选项	开	关
ON	<input type="checkbox"/>	1 防区打开时启用门铃	防区打开时禁用门铃
ON	<input type="checkbox"/>	2 防区恢复时启用门铃	防区恢复时禁用门铃
OFF	<input type="checkbox"/>	3 第 5 终端是键盘 PGM 输出	第 5 终端是键盘防区输入
OFF	<input type="checkbox"/>	4 启用选择语言	禁用选择语言
OFF	<input type="checkbox"/>	5 启用 Power LED	禁用 Power LED
ON	<input type="checkbox"/>	6 Power LED 显示有 AC 电源	Power LED 显示无 AC 电源
ON	<input type="checkbox"/>	7 设防时始终显示警报	设防时不显示警报
OFF	<input type="checkbox"/>	8 启用低温警告	禁用低温警告

备注：低温报警在 6°C (43°F) 触发，在 9°C (48°F) 恢复。

## [080] PGM 终端 1

默认值：01 ☐ 1-14 PGM 可编程输出跟随，15 本地 PGM 可编程输出脉冲，16 本地 PGM 可编程输出触发器。

## [082] 本地 PGM 可编程输出脉冲激活时间

默认值：00 ☐ 分钟（有效范围 00-99）

默认值：05 ☐ 秒（有效范围 00-99）

## [101]-[108] 分区标签

例如：对分区 1，输入区段 [101]，对分区 2，输入区段 [102]，依此类推。

区段	分区	标签
[101]-[108]	1-8	

备注：分区 1 标签也用作系统标签。

## [120]-[151] 命令输出标签

默认值：“Command\_O/P\_1” - “Command\_O/P\_4”

对于分区 1 命令 O/P 1 到 4，输入 [120] 到 [123] 对于分区 5 命令 O/P 1 到 4，输入 [136] 到 [139]  
对于分区 2 命令 O/P 1 到 4，输入 [124] 到 [127] 对于分区 6 命令 O/P 1 到 4，输入 [140] 到 [143]  
对于分区 3 命令 O/P 1 到 4，输入 [128] 到 [131] 对于分区 7 命令 O/P 1 到 4，输入 [144] 到 [147]  
对于分区 4 命令 O/P 1 到 4，输入 [132] 到 [135] 对于分区 8 命令 O/P 1 到 4，输入 [148] 到 [151]

区段	分区	命令输出	标签
[120]-[151]	1-8	1-4	

## [201]-[264] 门类型编程

您可以对键盘编程，以便为具体防区设置四种不同的门铃声。例如，对防区 1，输入区段 [201]，对防区 2，输入 [202]，依此类推。

默认值	选项	开	关
ON	<input type="checkbox"/>	1 6 次蜂鸣声	禁用
OFF	<input type="checkbox"/>	2 “乒-乒”声	禁用
OFF	<input type="checkbox"/>	3 “叮-咚”声	禁用
OFF	<input type="checkbox"/>	4 警报声	禁用
OFF	<input type="checkbox"/>	5-8 备用	

## [994]\* 启动全局键盘门铃广播

## [995]\* 将键盘选项重置为出厂默认值

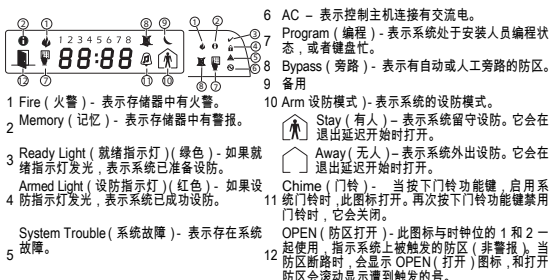
## [996]\* 标签默认值

## [997] 查看软件版本

## [998]\* 启动全局标签广播

## [999]\* 将 LCD EEPROM 重置为出厂默认值

## 键盘显示符号



6 AC - 表示控制主机连接有交流电。  
7 Program (编程) - 表示系统处于安装人员编程状态，或者键盘忙。  
8 Bypass (旁路) - 表示有自动或人工旁路的防区。  
9 备用。  
10 Arm 设防模式 - 表示系统的设防模式。  
Stay (有人) - 表示系统留守设防。它会在退出延迟开始时打开。  
Away (无人) - 表示系统外出设防。它会在退出延迟开始时打开。  
Chime (门铃) - 当按下门铃功能键，启用系统门铃时，此图标打开。再次按下门铃功能键禁用门铃时，它会关闭。  
OPEN (防区打开) - 此图标与时钟位的 1 和 2 一起使用，指示系统上被触发的防区（非警报）。当防区断路时，会显示 OPEN (打开) 图标，和打开防区会滚动显示遭到触发的号。

[illegible]

[illegible]

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